

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2017-63 Date Opened: 11 April 17 Title: AssemblyAircraft OEM: Eurocopter Aircraft Model: AS350/355 Product Type: Cargo Basket Product Model: Long Quantity: 1**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

JC
JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
78410	2	Basket Assembly	JC
78427	2	Placard	JC
70405	4	Lid Walkway	JC
84255	2	Handle Installation	JC
84240	0	Lid Prop Installation	JC

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

JC
JC
JC
JC
JC
JC
JC

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Work performed by:

Print: J. ClarkeSign: [Signature]SCA: AD02Date: 12-Apr-17

ICC / Dual Inspection performed by:

Print: J. RekveSign: [Signature]SCA: AD01Date: 12-Apr-17

Work Order closed by:

Print: J. ClarkeSign: [Signature]SCA: AD02Date: 12-Apr-17

Approved Manufacturing Facility 73-04

Form 20.0.03

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

Tread Plate

Aircraft:

All

Model: N/A

Description:

Lid Walkway Checker Plate

Supplier:

Daigle Marine

Color:

Aluminum

WO#:

N/A

PO# 17011



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: LD (A330 LONG) No. of pieces: 1

Manufacturer: AERO DESIGN

Part No.: 78412-01 Serial No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-49

Remaining Tasks to be Performed: NONE

Signature: Jff Orlh.

Date: 27 MAR 2017 Lic. No. / SCA A002

Serviceable



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AMF 73-04

Serviceable

Remarks



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Basket Handle No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 84261 Rev 1 Serial No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-31

Remaining Tasks to be Performed: Instal

Signature: David Marty

Date: April 12 / 2017 Lic. No. / SCA AD-05



Aero Design Ltd.

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AMF 73-04

Remarks

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASKET BODY (AS350 LONG) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 78401-01 Serial No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-49

Remaining Tasks to be Performed: _____

Signature: Jff Chk.

Date: 27 MAR 2017 Lic. No. / SCA AD 02

Serviceable



Aero Design Ltd.

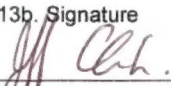
9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

Serviceable

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0140
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-63
6. Item 1.	7. Description Long Cargo Basket	8. Part Number 78410-01	9. Qty. 1	10. Serial/Batch No. 78401-65	11. Status/Work New
12. Remarks Modified with walkway on lid IAW DCL704					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 11 Apr 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

AIRBUS HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 25

PN: MS20001P4-12000

Aircraft: All

Model: All

Description: Hinge

Supplier: GKN Bandy

Color: N/A

WO#: N/A

PO# 15069

CARGO BASKET ASSEMBLY - COMMON

2017-63

AS350 Long

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket

94510, Revision 0 – Extra-Wide Low Mounted Basket

94610, Revision 0 – Extra-Wide Low Mounted Ski Basket

76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket

76410, Revision 3 – Medium Basket (left or right)

78410, Revision 2 – Long Basket ←

94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket

80310, Revision 0 – Medium Basket

81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket

95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

70405, Revision 3? – Lid Walkway ←

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2017-63

Date Open: 11 APR 2017

AD
~~73-04~~
02

1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with clecos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

AD
~~73-04~~
02

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

3. Hinge Installation

ND
73-04
02

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

AD
~~73-04~~
02

a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

5. Install lid brace

AD
~~73-04~~
02

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)
AKAD 01

6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

Work Order: 2017-63Material Tracking Sheet
Eurocopter AS350 / AS355
Long Basket Assembly

1 of 2

Date Opened: 11 Apr 2017

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	<u>1</u>		78410-01	Cargo Basket Assembly	<u>sh 78401-65</u>	
Step 1				<i>Lid Assembly</i>		
	. 1		78412-01	Basket Lid Assembly		<u>2016-49</u>
Step 1.a.	. . 4		49205-14	Bumper	Argus Industries Bumper	
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 1.b.	. . 1		78427-01	Placard	0.063 Sheet, 6061-T6 Aluminum	<u>2015-03</u>
	. . 4		CR3213-4-02	Cherry Rivet		<u>16053</u>
Step 1.c.	. 1		70405-01	Lid Step Modification		
(option)	. . 1		70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	<u>1704</u>
	. . A/R		CR3213-4-02	Cherry Rivet		<u>16053</u>
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 2				<i>Basket Assembly</i>		
Step 2.a.	. 1		78411-01	Basket Body Assembly		<u>2016-49</u>
	. . 4		96710-01	Fitting	Alternate: Ancra 40088-14	
	. . 8		NAS1149F0663P	Washer		
Step 3				<i>Hinge Installation</i>		
	. 1		MS20001P4	Piano Hinge	90"	<u>15069</u>
	. 8		CR3523-5-02	Cherry Rivet		<u>16063</u>
	. A/R		CR3213-5-02	Cherry Rivet		<u>16042</u>
Step 4	. 1		84255-01	Handle Installation		
Step 4.a.	. . 2		84267-01	Bracket	Delrin, 3/4" Sheet	<u>2017-50</u>
	. . 4		AN3-11A	Bolt		
	. . 8		NAS1149F0363P	Washer		
	. . 4		MS21044N3	Nut		

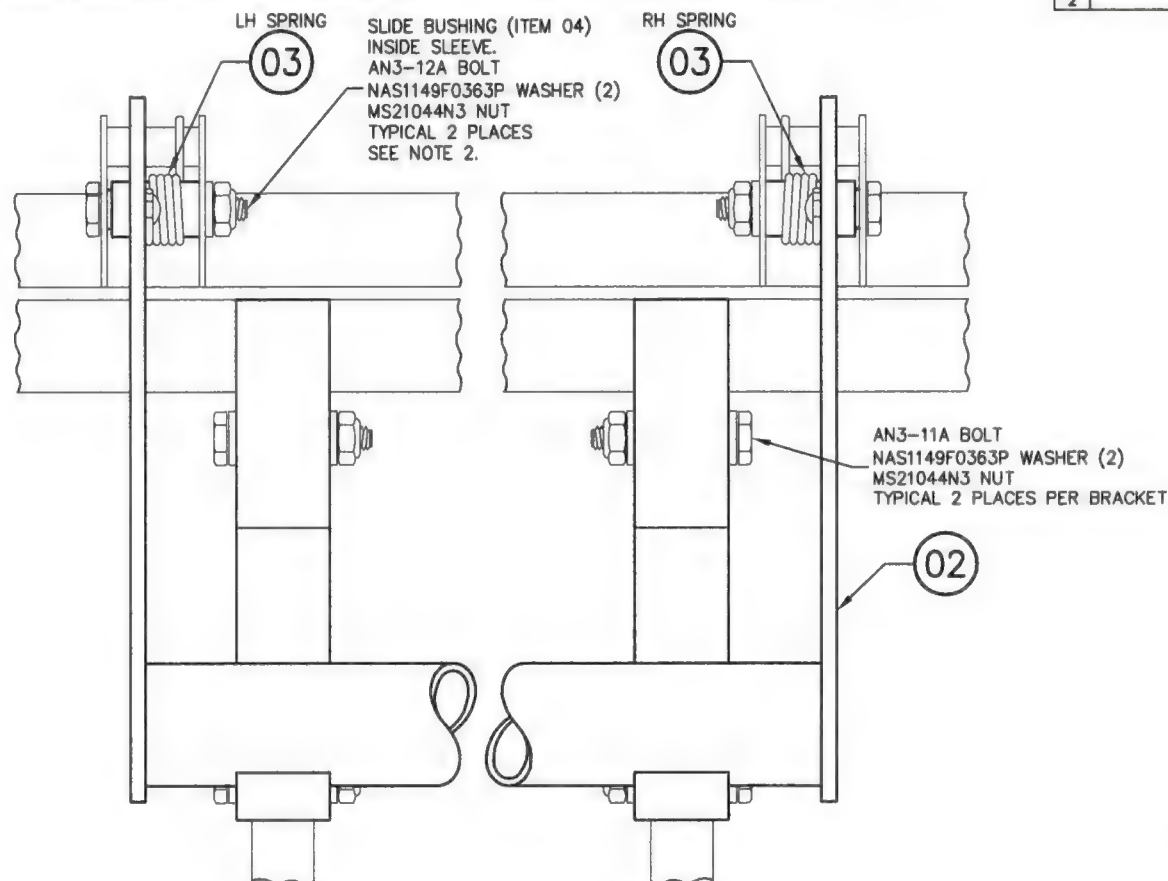
Work Order: 2017-63Date Opened: 11 Apr 2017Material Tracking Sheet
Eurocopter AS350 / AS355
Long Basket Assembly

2 of 2

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	.. 1		84261-01	Handle Assembly		2017-31
	.. 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	
	.. 2		36275-01	Bushing	Brass, 5/16" Dia	
	.. 2		AN3-12A	Bolt		
	.. 4		NAS1149F0363P	Washer		
	.. 2		MS21044N3	Nut		
Step 5				Lid Brace Installation		
	. 1		36280-01	Brace Assembly		2017-38
	. 1		AN3-15A	Bolt		
	. 1		AN3-17A	Bolt		
	. 2		AN970-3	Washer		
	. 3		NAS1149F0363P	Washer		
	. 2		MS21044N3	Nut		
Step 6				Inspection	None	

NOTES:

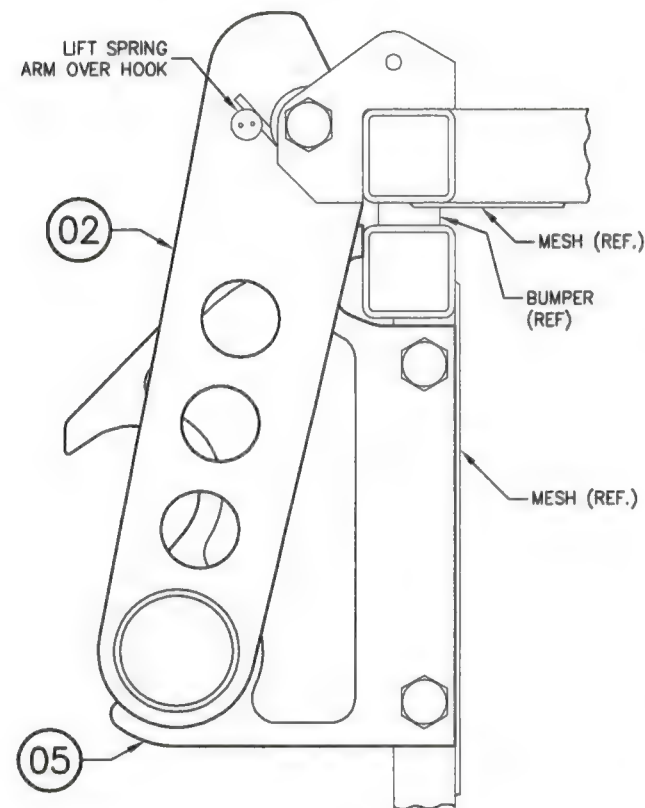
1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



01 HANDLE INSTALLATION

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGOIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

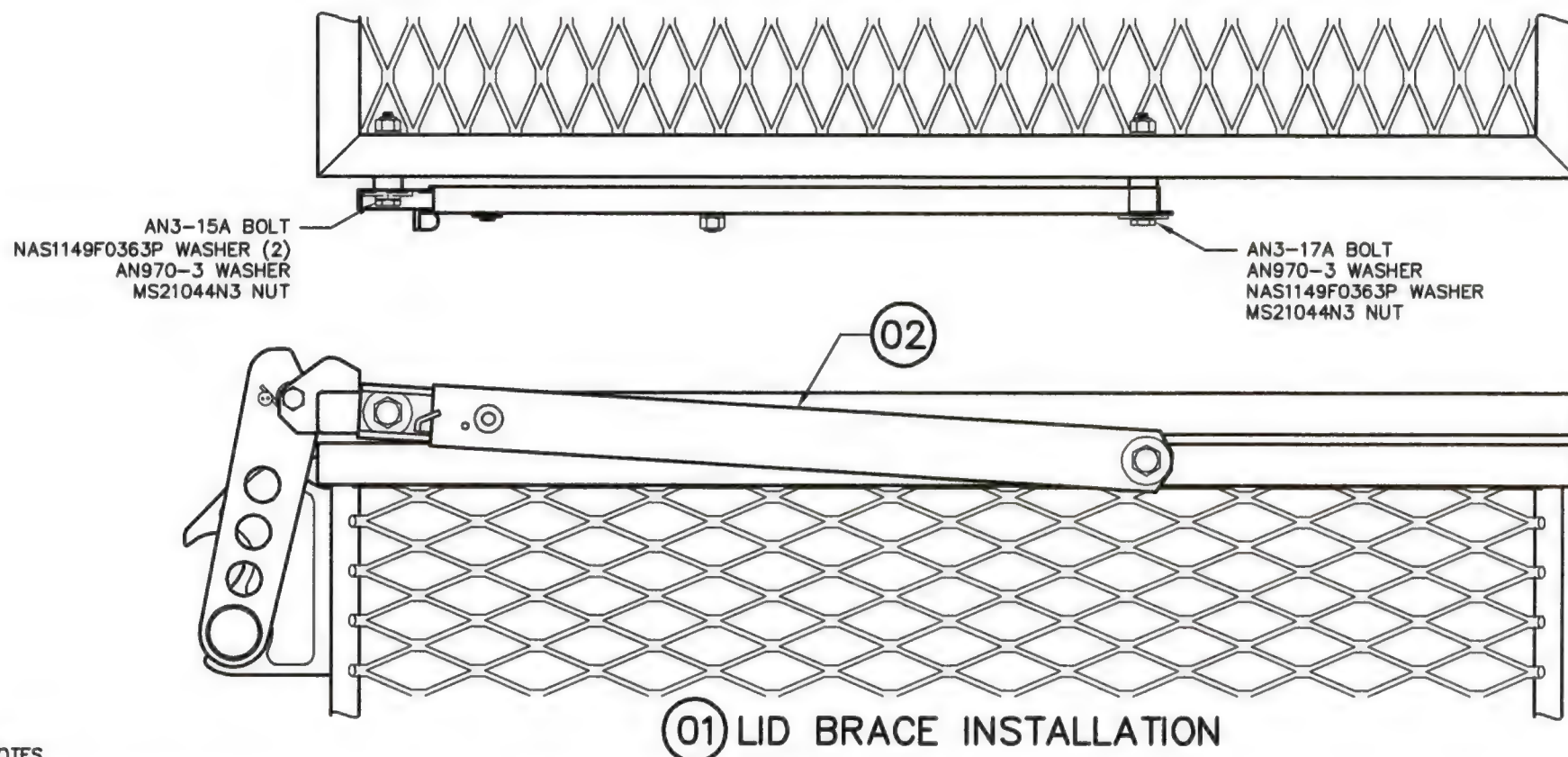
9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.485.2876 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR INSTALLATION**

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

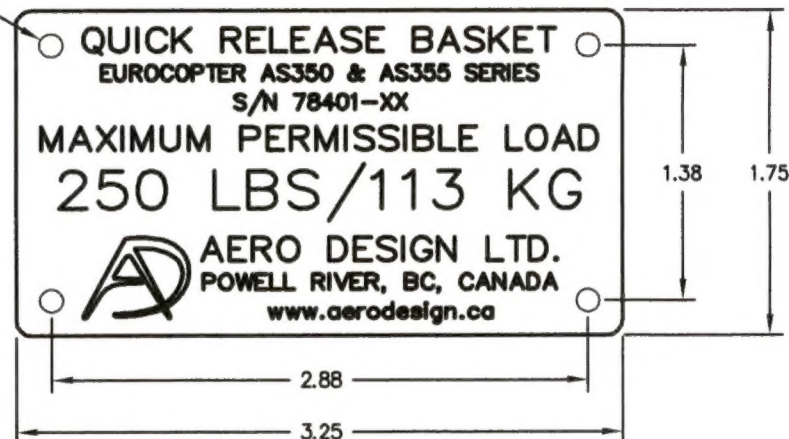
 AERO DESIGN LTD. 9688A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2376 www.aerodesign.ca		HELICOPTER CARGO BASKET ALL MODELS LID BRACE INSTALLATION	
NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	INCREASE LOAD TO 250 LBS / 113 KG	BJC	27/01/2010
2	UPDATE TITLE BLOCK; UPDATE ADDRESS AND LOGO; MAT'L THICKNESS CHANGED	BJC	10/07/2014

NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:
"QUICK RELEASE BASKET" - 0.125 HIGH
"EUROCOPTER AS350 & AS355 SERIES" - 0.080 HIGH
"S/N 78401-XX" - 0.080 HIGH
"MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
"250 LBS/113 KG" - 0.200 HIGH
"AERO DESIGN LTD." - 0.125 HIGH
"POWELL RIVER, BC, CANADA" - 0.080 HIGH
"www.aerodesign.ca" - 0.080 HIGH


DRILL #30 (0.129)
4 PLACES



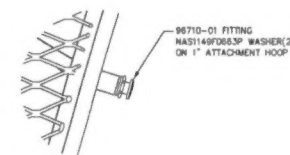
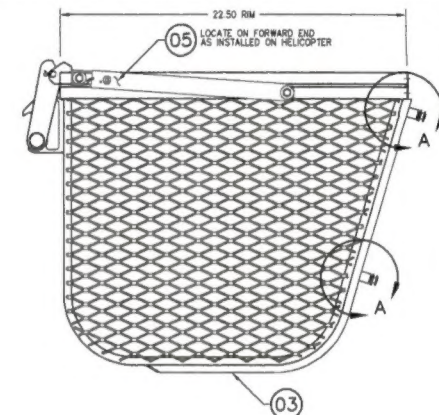
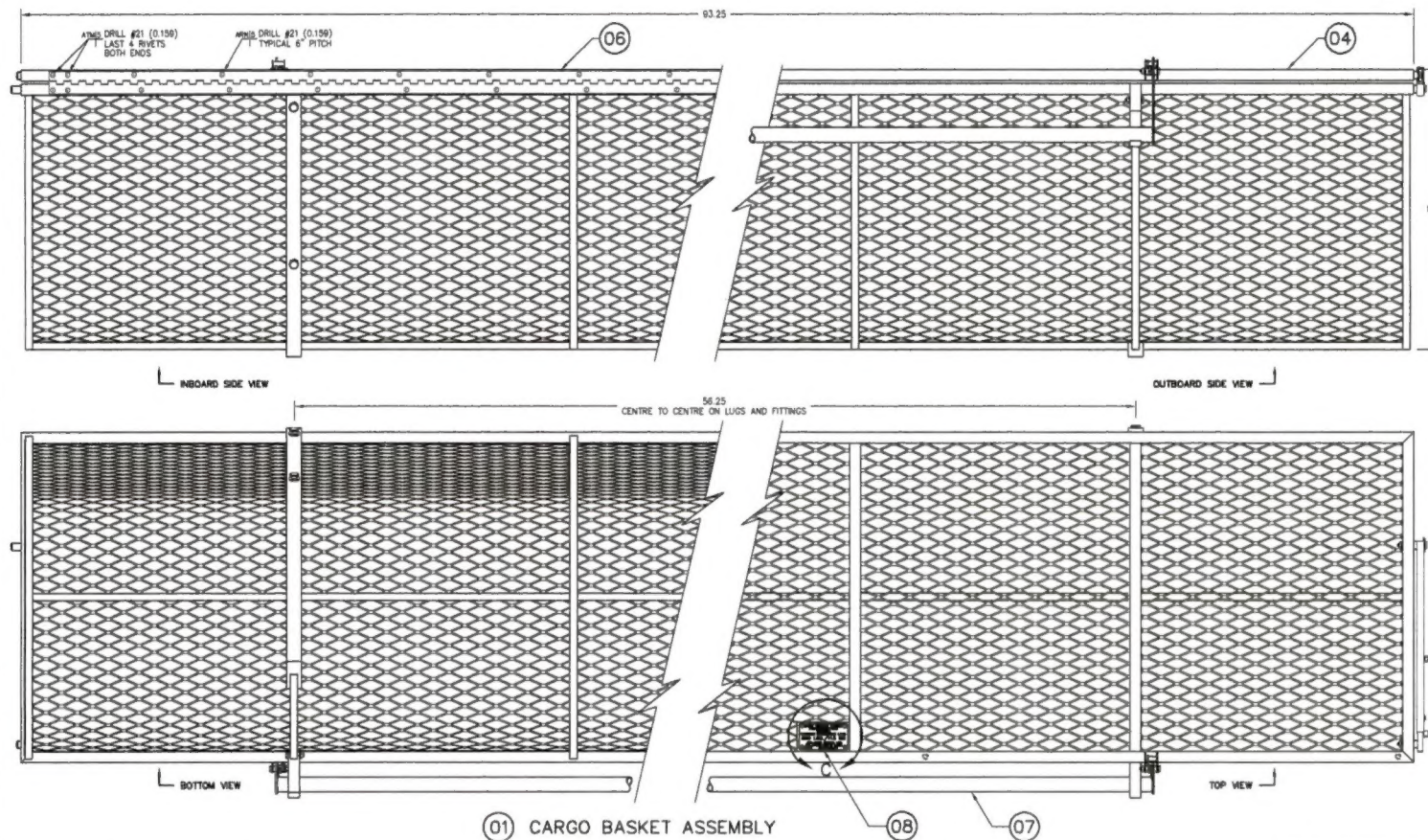
01 PLACARD

78427-01	01	PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

LIST OF MATERIALS

<small>THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.</small>	APPROVALS DRAWN: R. RATHWELL CHECKED: E. BURGOIN	DATE 18 FEB 08	 AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376 www.aerodesign.ca			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET PLACARD			
	SCALE 1 : 1 SHEET 1 OF 1		DWG. SIZE A4	DWG. NO. 78427	REV. 2	

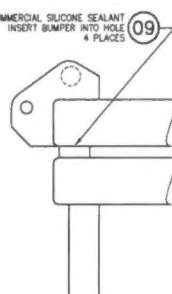
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR INSPECTION, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	CHANGED HANDLE CONFIGURATION, REMOVED ALTERNATE BASKET	BUC	27/01/2010
2	UPDATE TITLE BLOCK; ADD ALTERNATE RIVETS; HARDWARE P/N'S UPDATED; HINGE LENGTH; CHANGE BRACE ASSEMBLY TO INSTALLATION	BUC	16/07/2014



DETAIL A
SCALE 1 : 2
TYPICAL UPPER AND LOWER, FRONT AND REAR

NOTE:
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

FILL 1/4" HOLE WITH COMMERCIAL SILICONE SEALANT
INSERT BUMPER INTO HOLE
4 PLACES



BUMPER INSTALLATION
SCALE 1 : 1

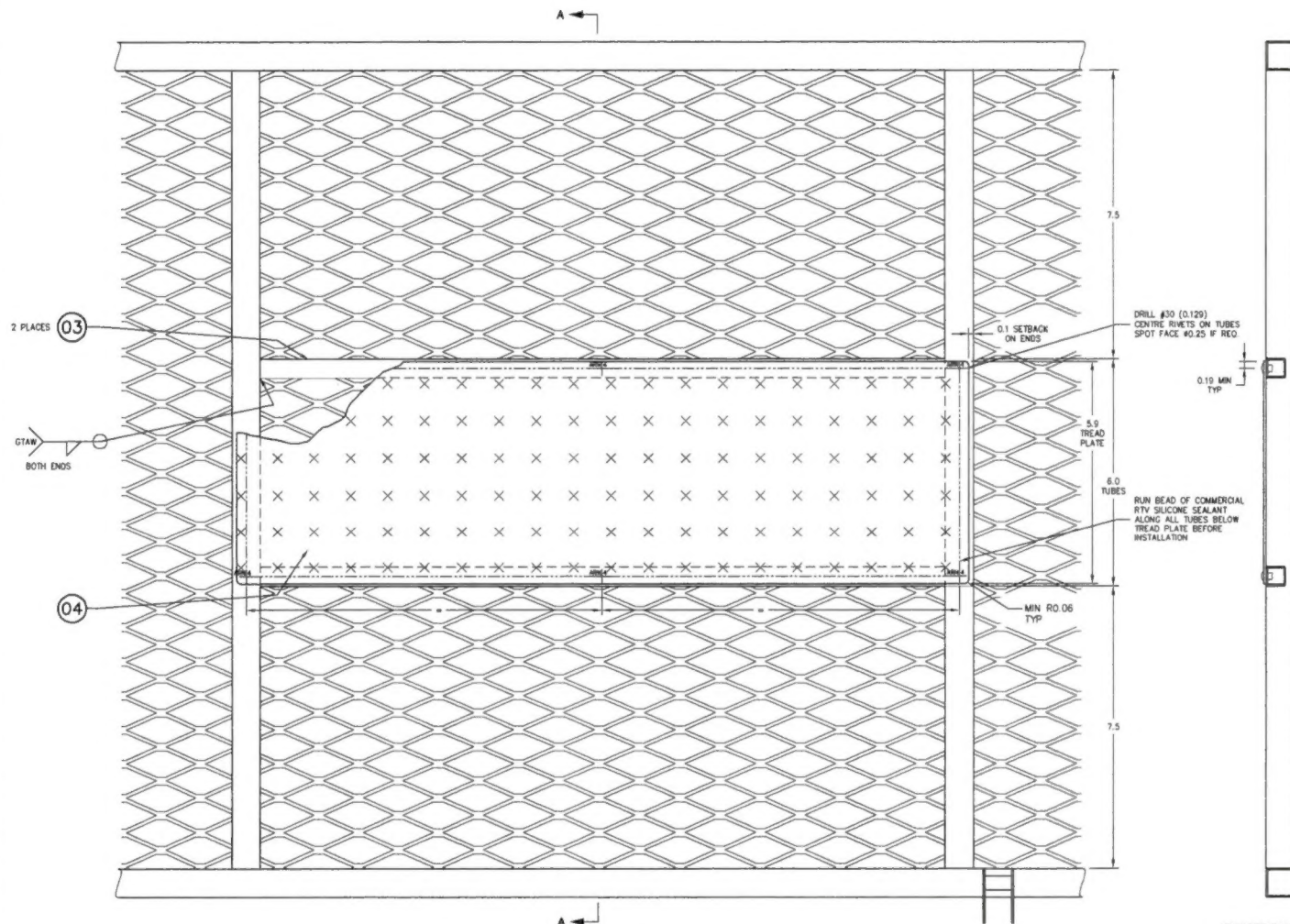


DETAIL C
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

A/R	NAST148DF063P		WASHER			
1	98710-01		FITTING			
8	CR3523-5-02		CHERRY RIVET		ALTERNATE: ANORA 40088-14	
A/R	CR3213-5-02		CHERRY RIVET		ALTERNATE: HUCKMAX HR3523-5-02	
4	CR3213-4-02		CHERRY RIVET		ALTERNATE: HUCKMAX HR3213-5-02	
4	49205-14		59 BUMPER		ALTERNATE: HUCKMAX HR3213-4-02	
1	78427-01		08 PLACARD		ARGUS INDUSTRIES	
1	84255-01		07 HANDLE BAR INSTALLATION			
A/R	MS25001P4		58 PIANO HINGE			90.0 LONG
1	84240-01		05 LID BRACE INSTALLATION			
1	78412-01		04 LID ASSEMBLY			
1	78411-01		03 BASKET BODY ASSEMBLY			
			02			
	78410-01		01 CARGO BASKET ASSEMBLY			
D1	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					

BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS	DATE
REF: NAS 523	N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE	DRAWN: R. RATHWELL	19 FEB 08
C=COUNTERSINK D=DIMPLE DIG=# OF SHEETS TO BE DIMPLED	DASH NO. FOR LENGTH	CHECKED: E. BURGOIN	
BASIC CODES: B4=MS20470AD BB=MS20426AD ARN=CR3213 ATN=CR3523	+ INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1	
		AERO DESIGN LTD. 9808A MALASPINA ROAD POWELL RIVER, BC, CANADA V8A 0G3 TEL: 804.483.8378 www.aerodesign.ca	
		EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE SKI BASKET BASKET ASSEMBLY (LONG)	
		SCALE 1 : 4	REV.
		SHEET 1 OF 1	2

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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD BELL MEDIUM AND EUROCOPTER AS350 BASKETS, CHANGE TUBES	BJC	MAR 19/08
2	ADD EUROCOPTER EC135, MCDONNELL DOUGLAS MD500N, BELL 208B BASKETS	BJC	DEC 4/08
3	ADD NEW AS350 AND 206L/407 MODELS	BJC	DEC 4/08
4	TITLE BLOCK UPDATED; MODEL LIST REMOVED; ADD ALT. REVET; ADD NOTE 7	BJC	29/05/2014



(01) BASKET LID ASSEMBLY

SECTION A-A

NOTES:

1. THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
2. TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
4. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2885C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
5. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
6. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
7. WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

A/R	CR3213-4-02	BLIND RIVET	ALTERNATE: HR3213-4-02			
1	70405-04 04	TREAD PLATE	ALUMINUM	COMMERCIAL	0.083 TREAD PLATE	
2	70405-03 03	TUBE	4130 STEEL COND. N	MIL-T-6736	0.5 X 0.035 WALL TUBE	
1	SEE NOTE 1 02	BASKET LID ASSEMBLY				
1	70405-01 01	BASKET LID ASSEMBLY - MODIFIED WITH STEP				
D1	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY				LIST OF MATERIALS		

BASIC CODE REF. NAS 523 C=COUNTERSINK D=DIMPLE DIGIT# OF SHEETS TO BE DIMPLED BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARN=CR3212		DASH NO. FOR DIAMETER N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE DASH NO. FOR LENGTH + INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET		APPROVALS DRAWN: JEFF CLARKE 21 SEPT 2008 CHECKED: E. BURCOIN UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		DATE 21 SEPT 2008 AERO DESIGN LTD. DURRA MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.8376 www.aerodesign.ca	
CARGO BASKET LID STEP MODIFICATION				SCALE 1:1.5 SHEET 1 OF 1		DWG. NO. 70405 REV. 4	



WO# _____

Approved Manufacturing Facility 73-04 Form 20.F.06 Rev. Original 27 May 2013